

6.1 DESIGN DEVELOPMENT

CHAPTER 06 DESIGN DEVELOPMENT



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DESIGN INTENTION

On a macro level the dissertation focuses on the integration of existing networks within the community as well as the networks of the re-claimers of the Heatherly landfill. The architectural intervention is intended to facilitate for programmes of an industrial, processing and educational nature. The aim of the youth Enterprise Hubs is to facilitate for the creation of centres for social and economic opportunities targeting un-employed youth through co-operatives, entrepreneurs, and small and medium enterprise (SMEs).

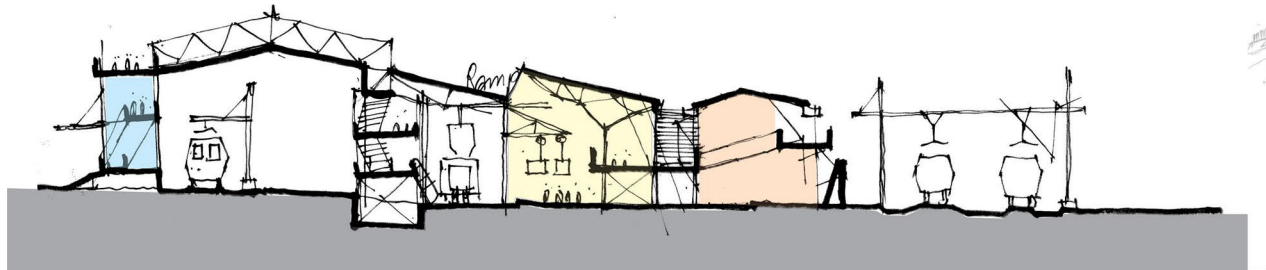
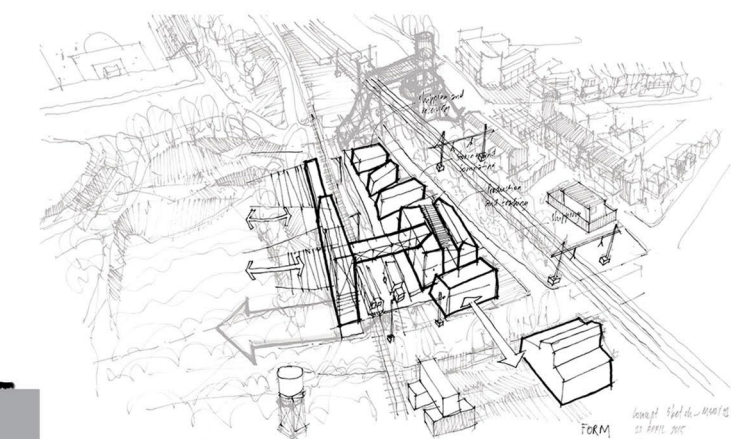
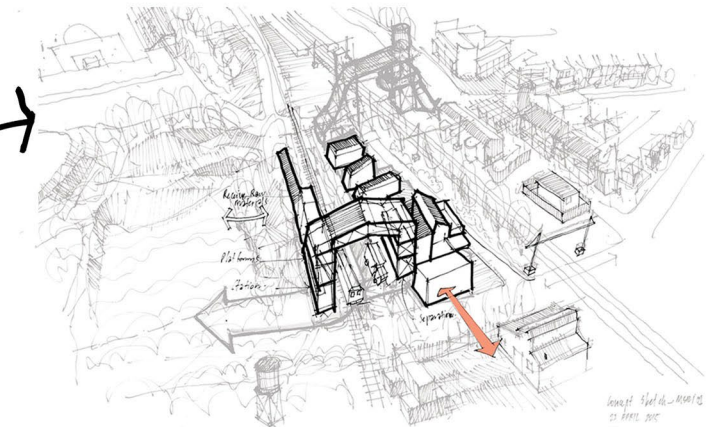
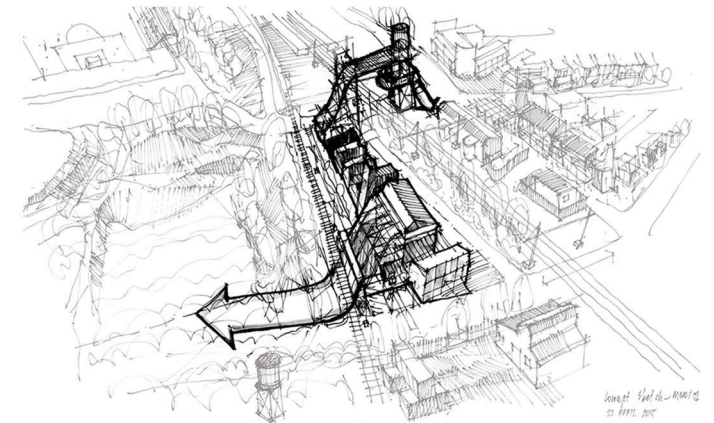
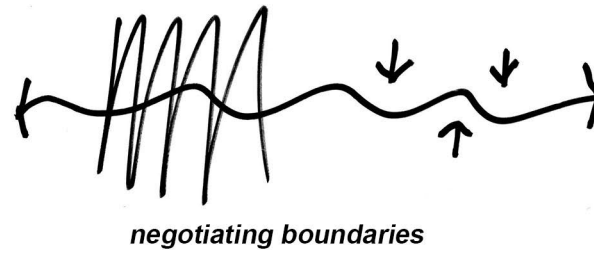
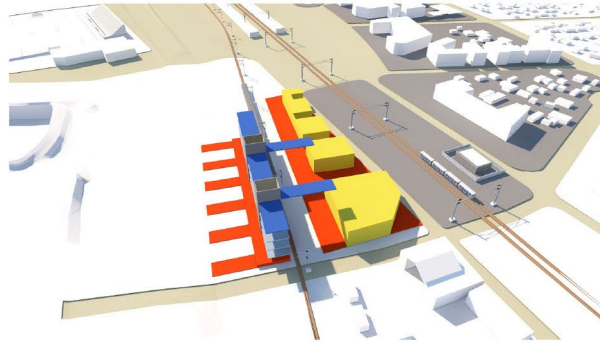
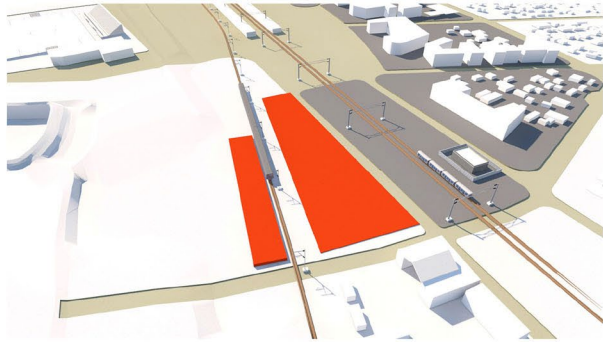


Fig. 6.1
conceptual exploration: bridging the divide



LEGEND:



PLATFORMS of exchange



THRESHOLD: Bridging



PROGRAMMED SPACE

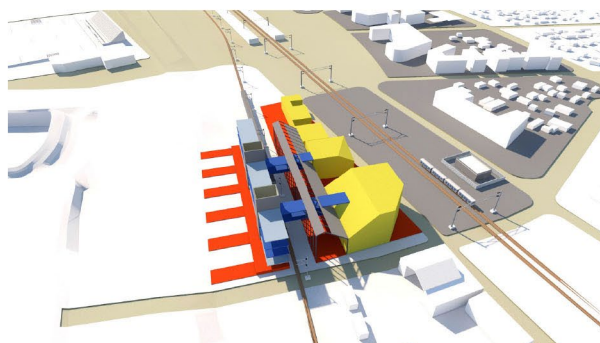
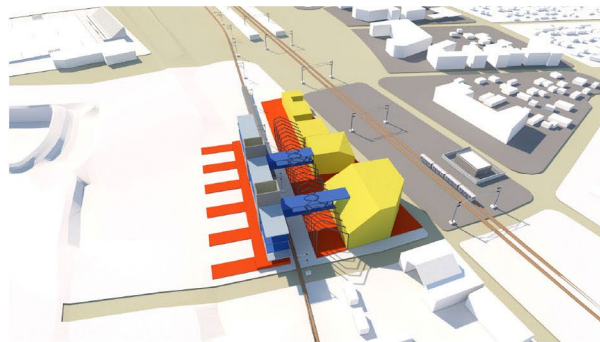
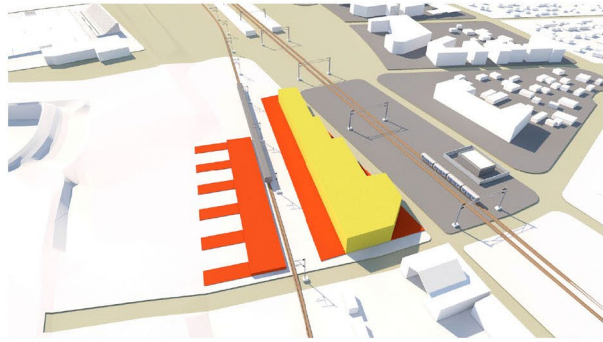


Fig. 6.2
conceptual structural exploration

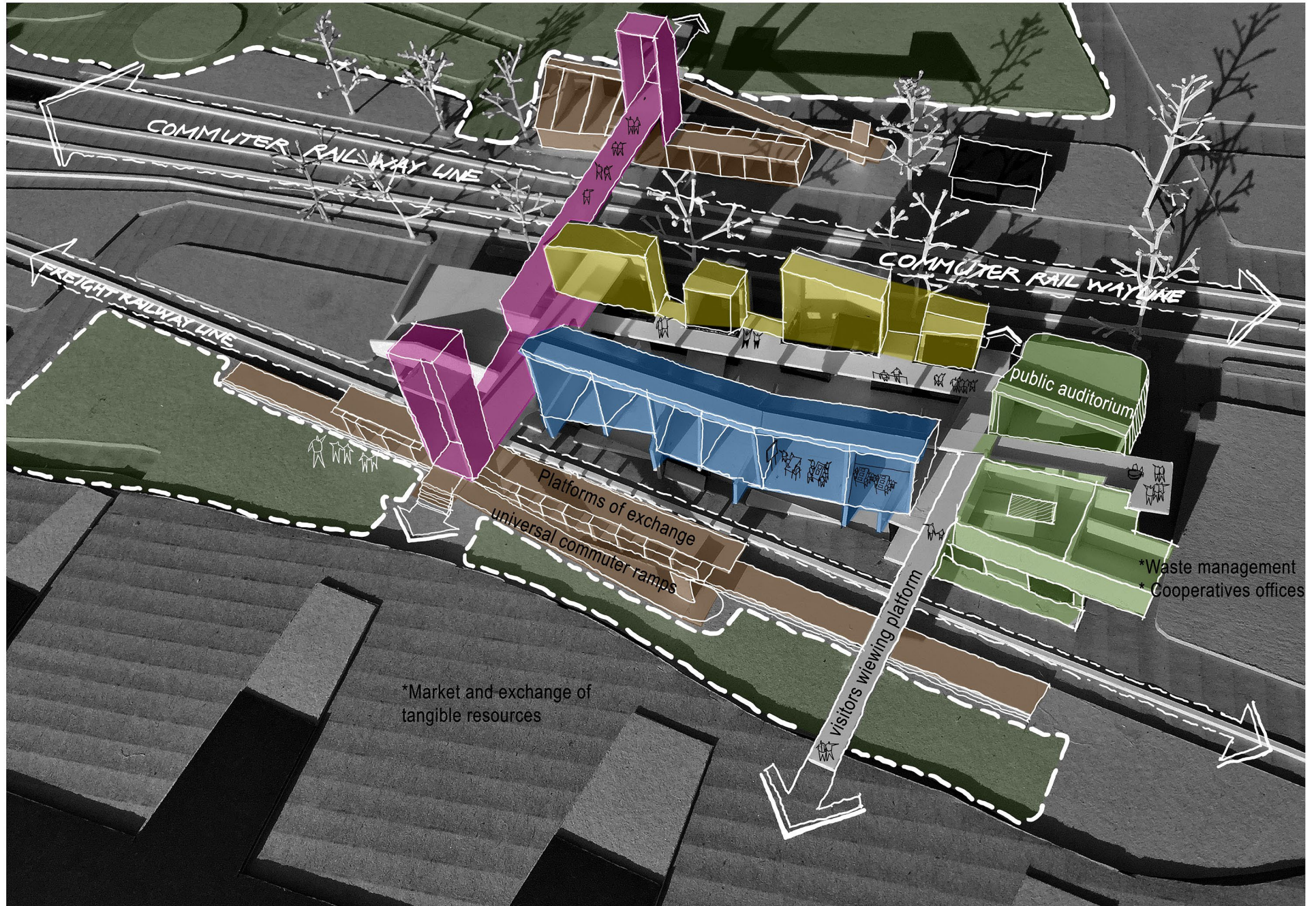
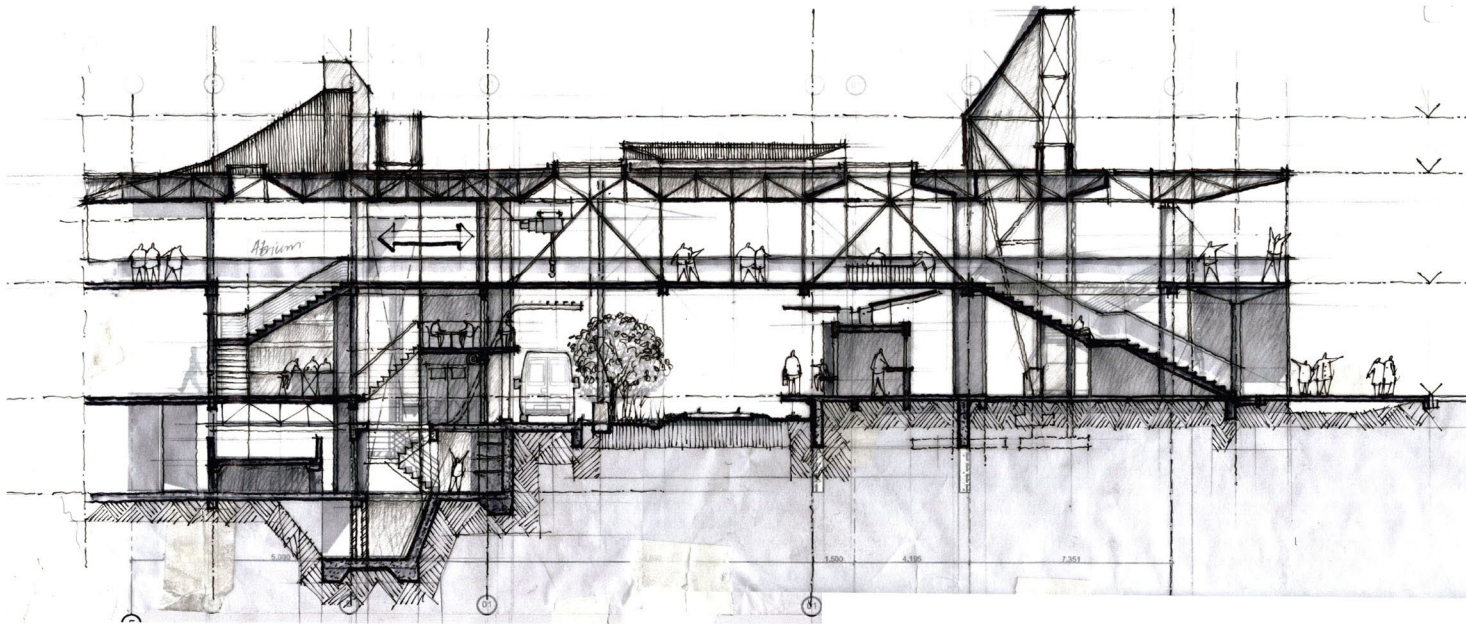
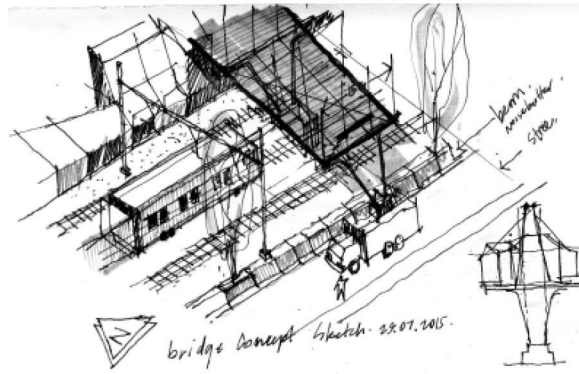
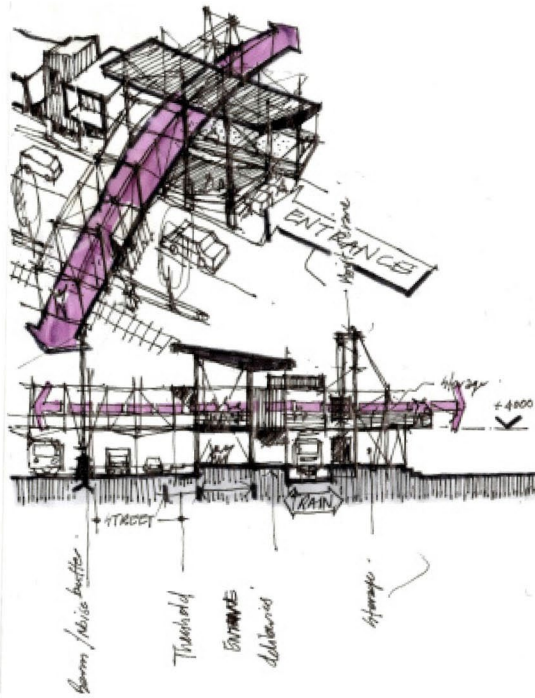


Fig. 6.3
conceptual model: showing site justification



Threshold Section Production/ Market & Exchange

scale 1:100

Fig. 6.4
bridge development

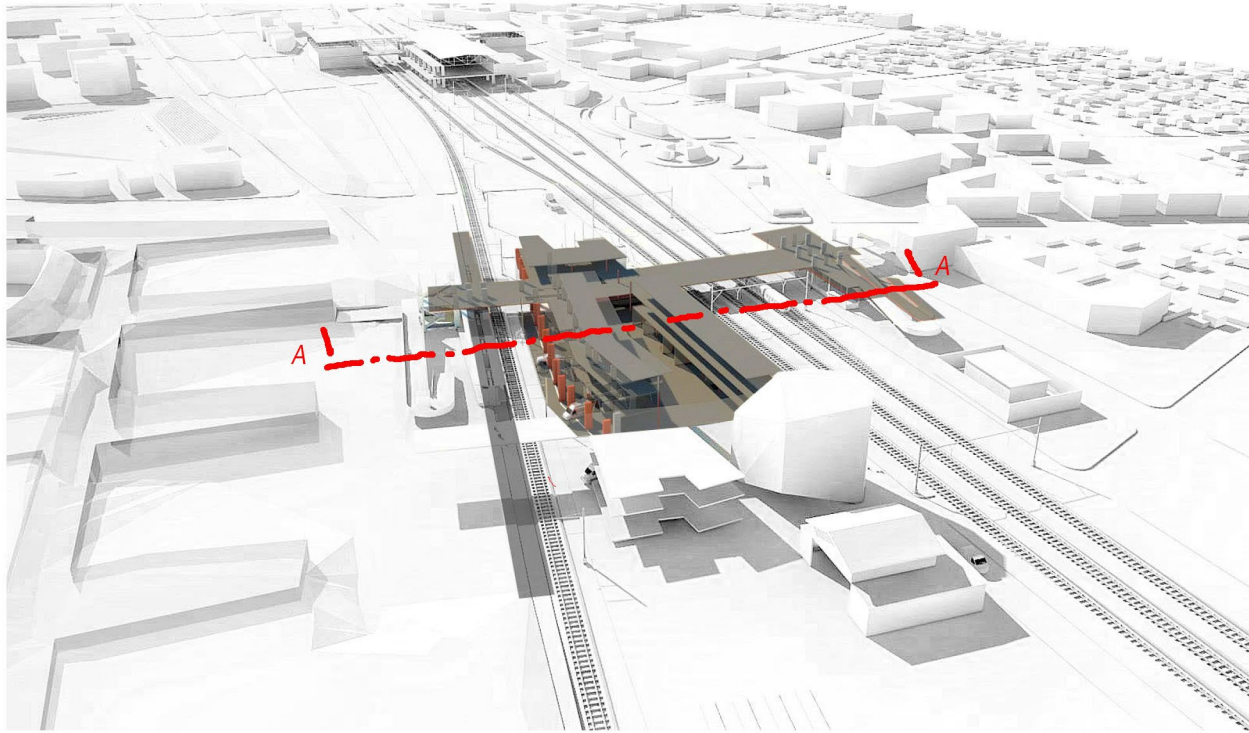


Fig. 6.5
conceptual massing: section A-A

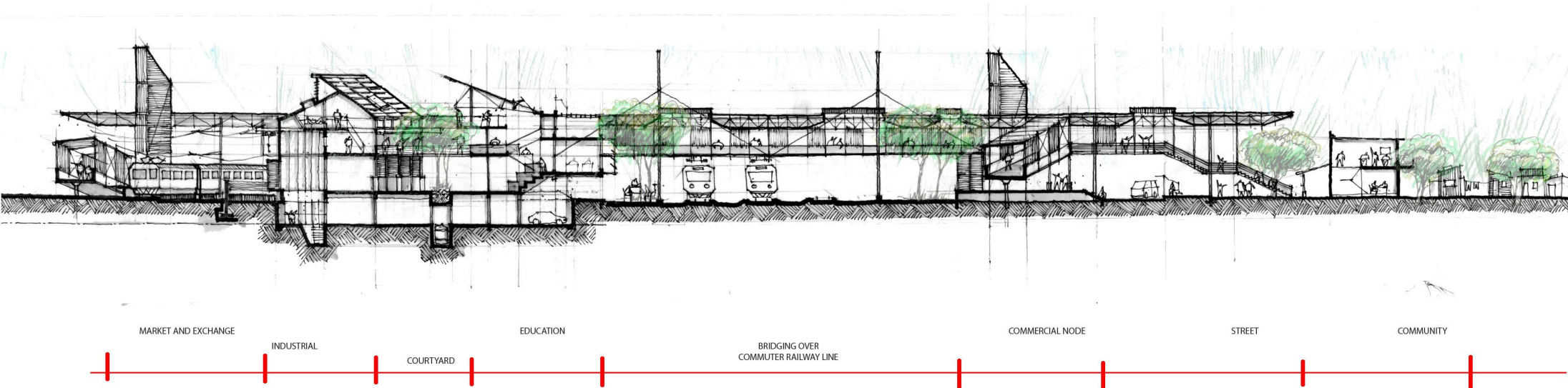


Fig. 6.6
conceptual section: final iteration

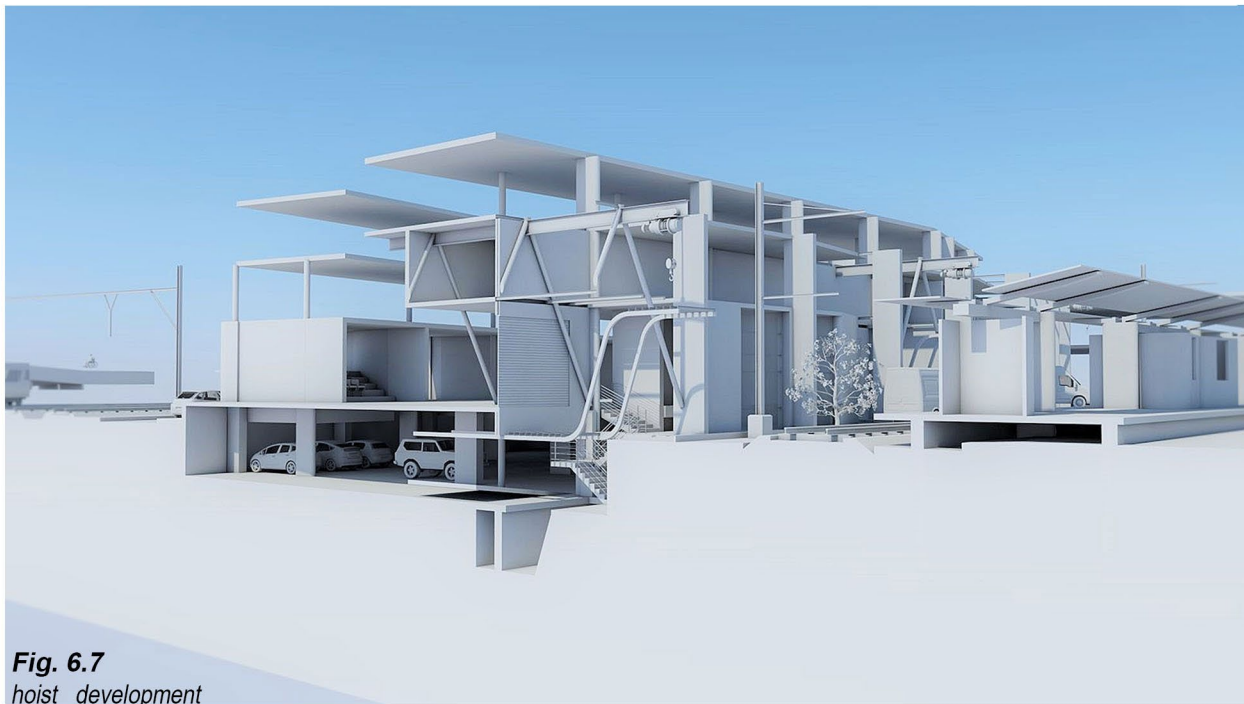
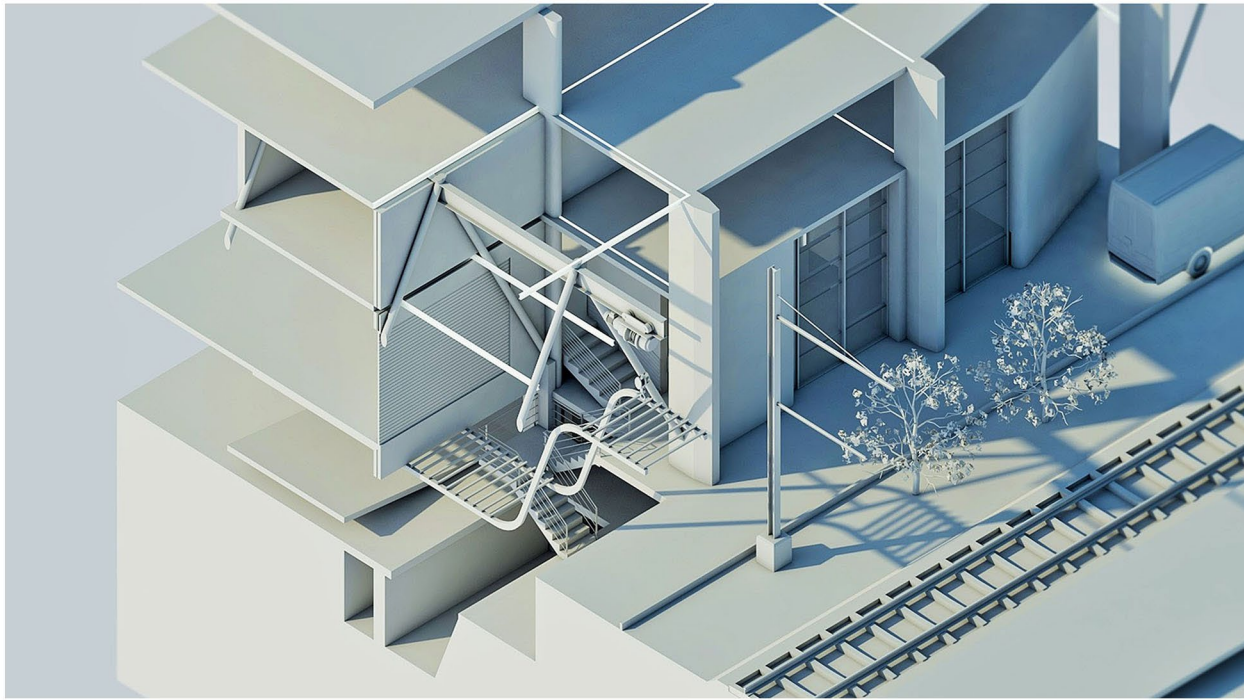
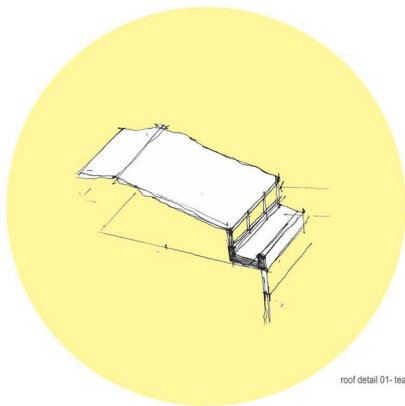
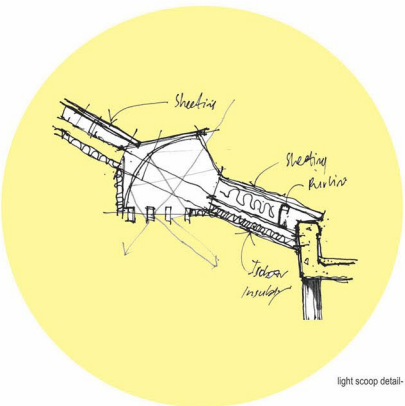


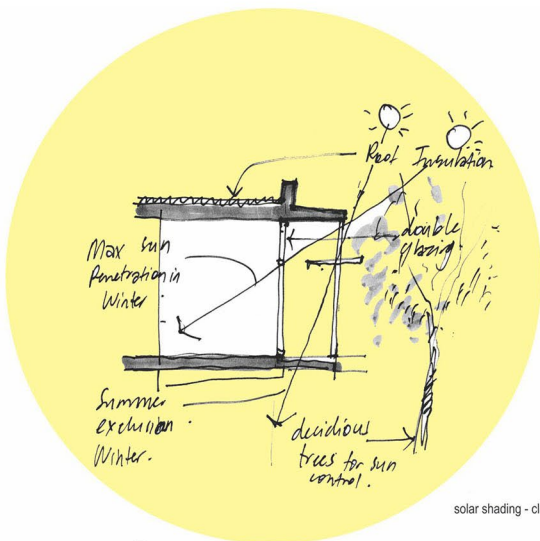
Fig. 6.7
hoist development



roof detail 01- teaching facility



light scoop detail- open teaching facility



solar shading - classroom

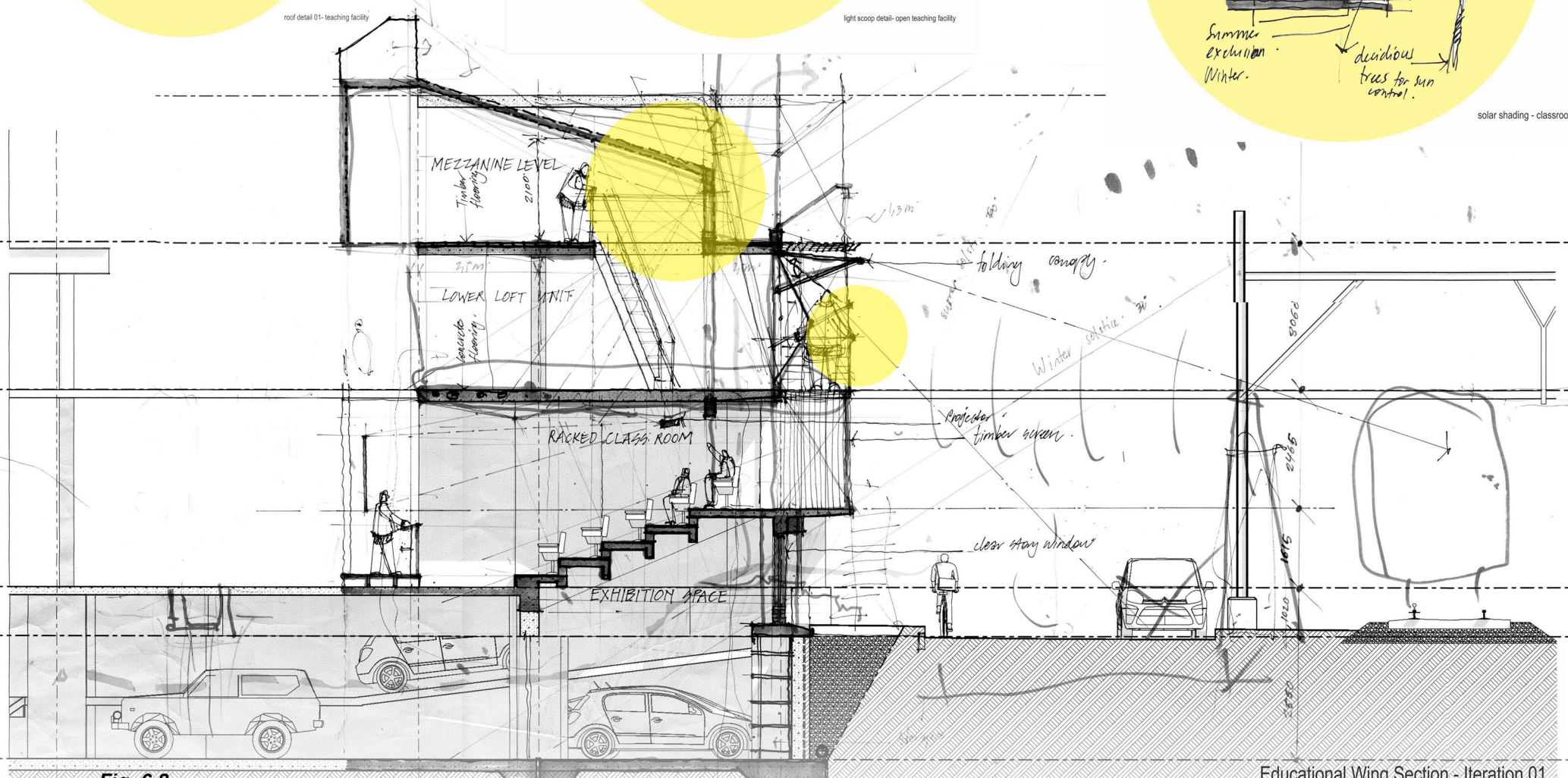
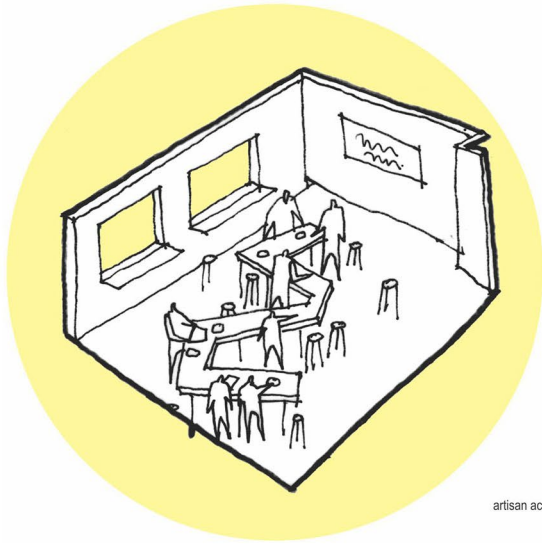
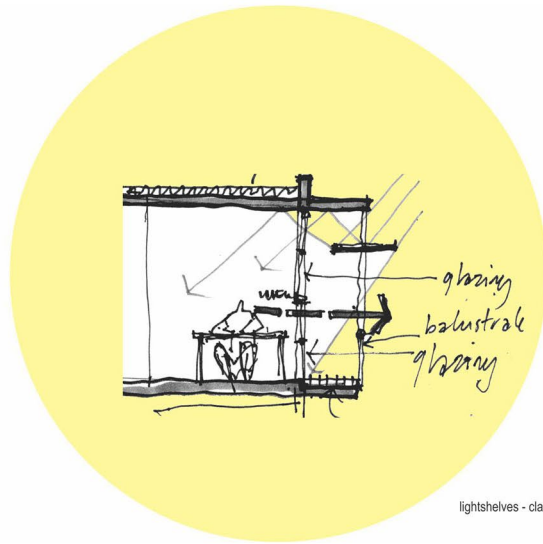


Fig. 6.8
conceptual section: final iteration

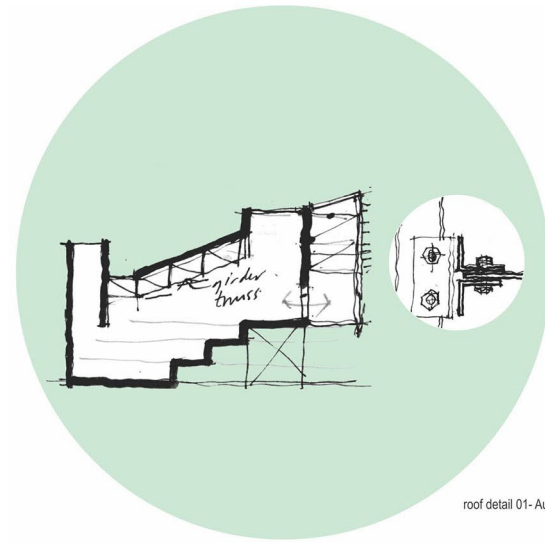
Educational Wing Section - Iteration 01
scale : nts



artisan academy



lightshelves - classroom



roof detail 01- Auditorium screen

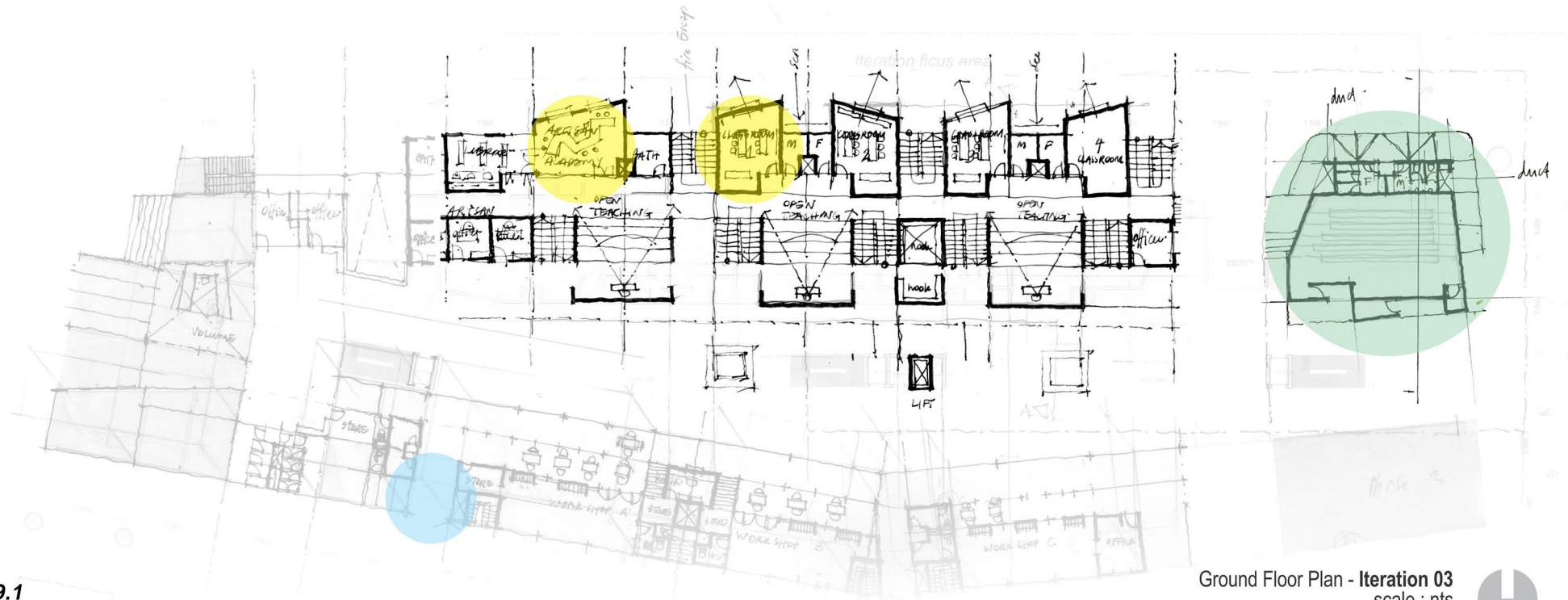
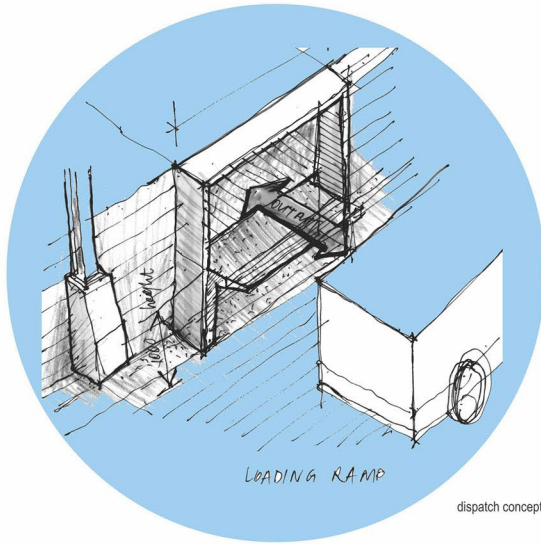


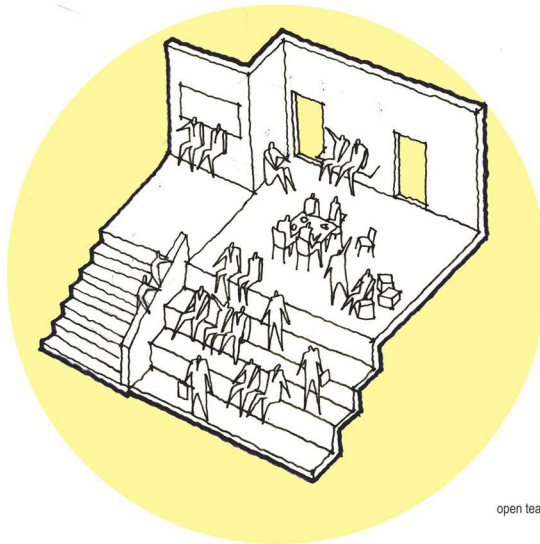
Fig. 6.9.1
design development

Ground Floor Plan - Iteration 03
scale : nts

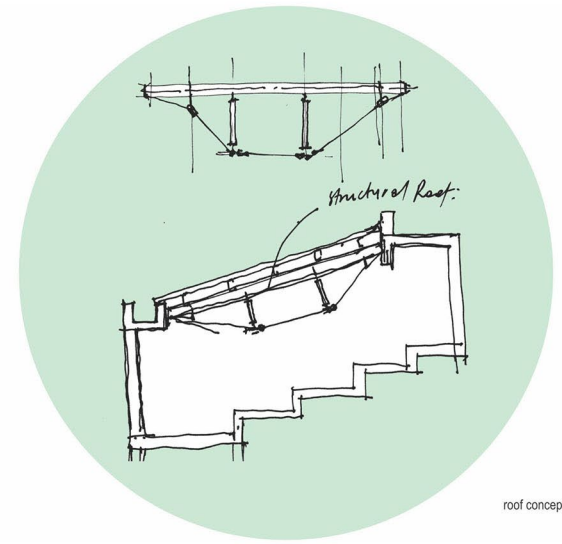




dispatch concept- loading ramp detail



open teaching facility



roof concept - auditorium

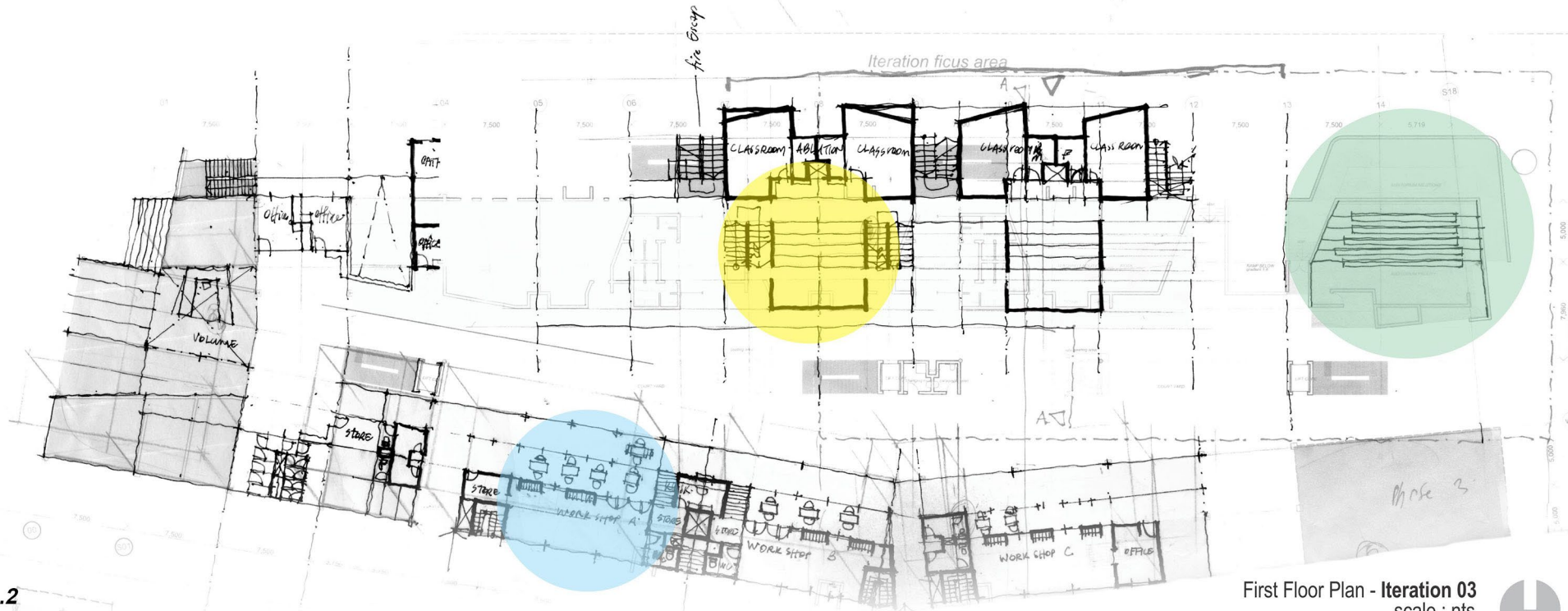
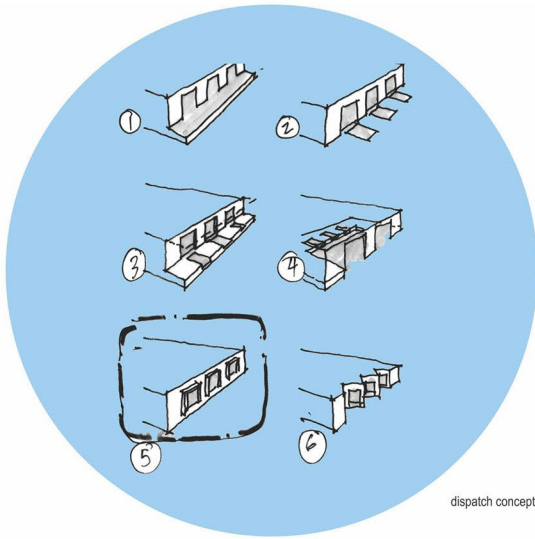


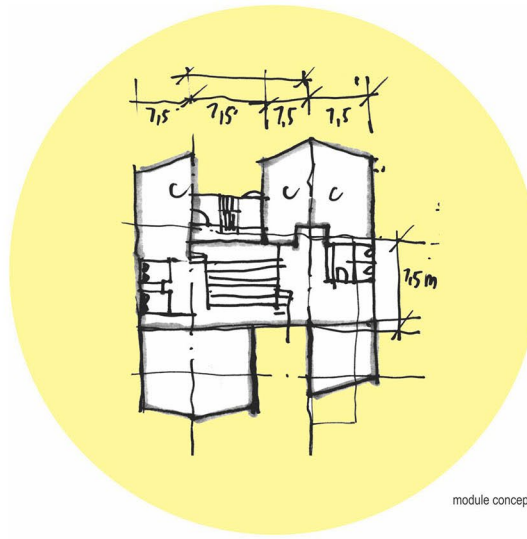
Fig. 6.9.2
design development

First Floor Plan - Iteration 03
scale : nts

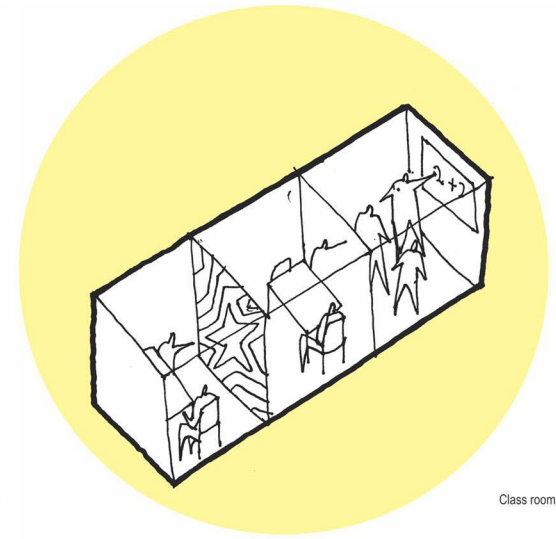




dispatch concept- loading ramp



module concept- open teaching facility



Class room diagram

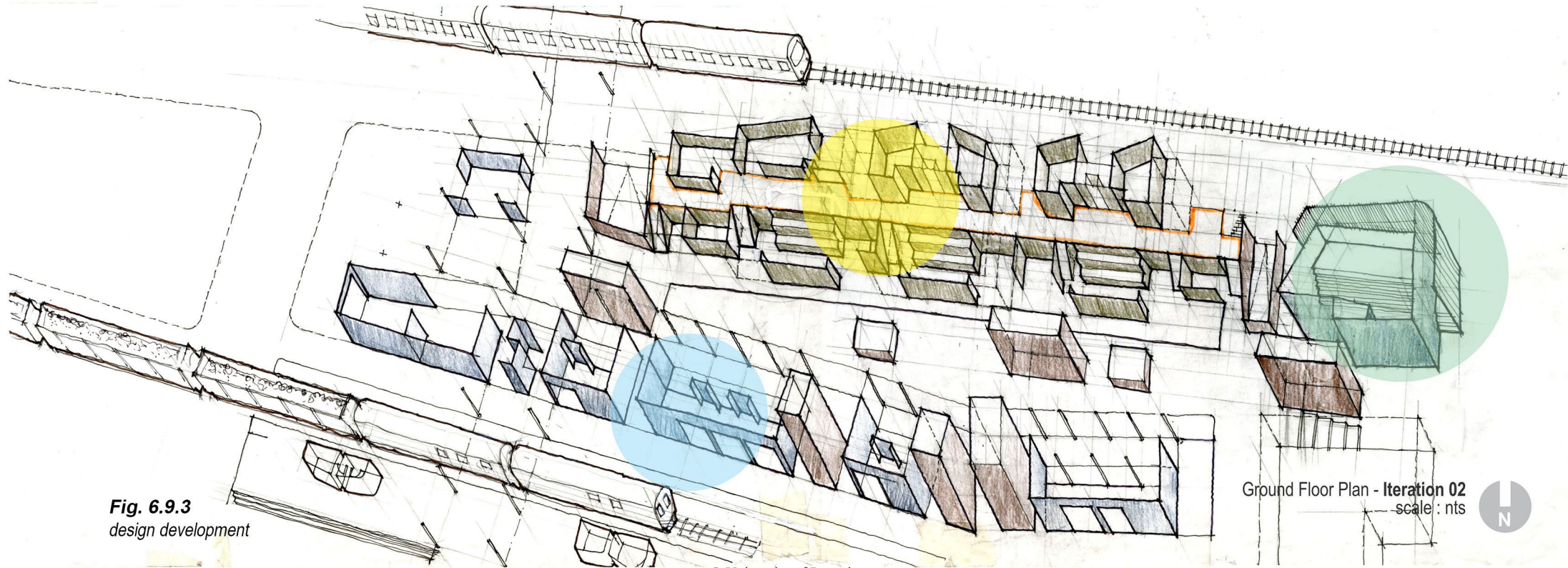
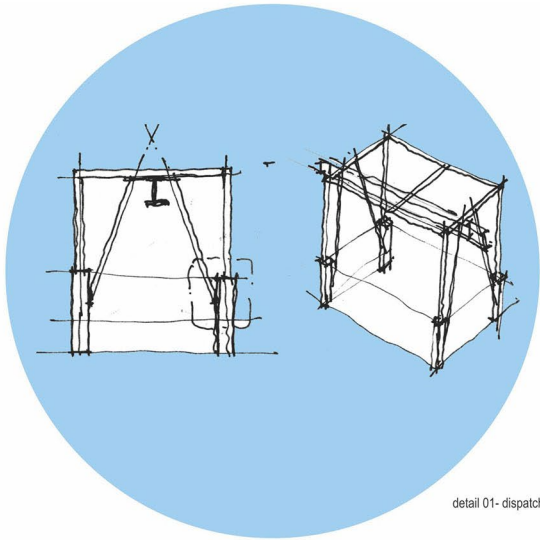


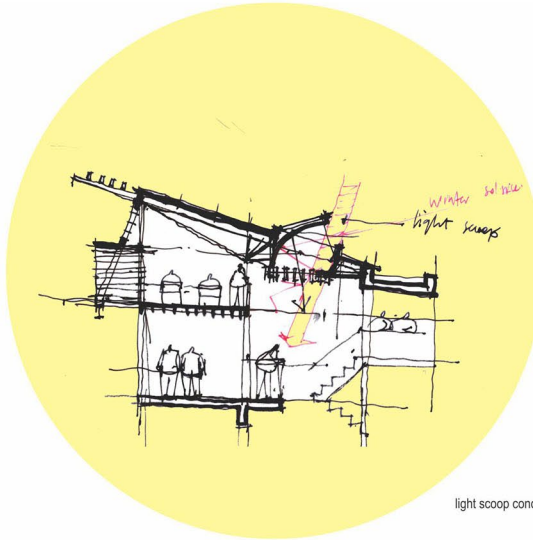
Fig. 6.9.3
design development

Ground Floor Plan - Iteration 02
scale : nts

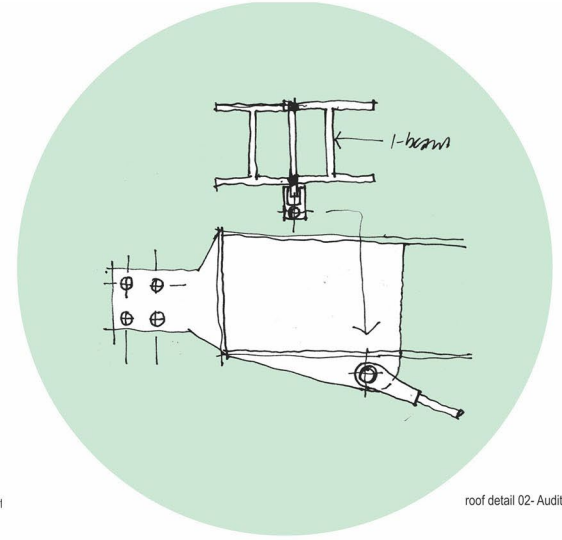




detail 01- dispatch hoist



light scoop concept- open teaching facility



roof detail 02- Auditorium roof



First Floor Plan - Iteration 02
scale : nts



Fig. 6.9.4
design development